

Product datasheet

# Anti-CD105 antibody [MEM-229] (Phycoerythrin) ab53321

7 References 2 Images

Overview

<b>Product name</b>	Anti-CD105 antibody [MEM-229] (Phycoerythrin)
<b>Description</b>	Mouse monoclonal [MEM-229] to CD105 (Phycoerythrin)
<b>Host species</b>	Mouse
<b>Conjugation</b>	Phycoerythrin. Ex: 488nm, Em: 575nm
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-Fr, ICC, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Pig
<b>Immunogen</b>	Recombinant vaccinia virus containing human CD105 (L-isoform) cDNA

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 15mM Sodium Azide Constituents: 0.2% BSA, PBS
<b>Purity</b>	Size exclusion
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MEM-229
<b>Isotype</b>	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab53321** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Use under non reducing condition. Predicted molecular weight: 71 kDa.

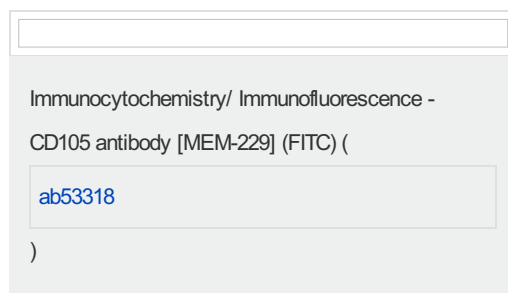
Application	Abreviews	Notes
IHC-Fr		1/200. Fix with acetone.
ICC		Use at an assay dependent concentration.
Flow Cyt		Use 20µl for 10 <sup>6</sup> cells. (or 100µl of whole blood).

[ab91363](#) - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

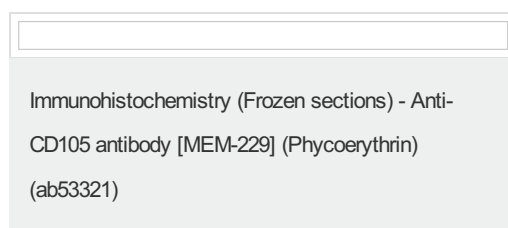
## Target

<b>Function</b>	Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors.
<b>Tissue specificity</b>	Endoglin is restricted to endothelial cells in all tissues except bone marrow.
<b>Involvement in disease</b>	Defects in ENG are the cause of hereditary hemorrhagic telangiectasia type 1 (HHT1) [MIM:187300, 108010]; also known as Osler-Rendu-Weber syndrome 1 (ORW1). HHT1 is an autosomal dominant multisystemic vascular dysplasia, characterized by recurrent epistaxis, muco-cutaneous telangiectases, gastro-intestinal hemorrhage, and pulmonary (PAVM), cerebral (CAVM) and hepatic arteriovenous malformations; all secondary manifestations of the underlying vascular dysplasia. Although the first symptom of HHT1 in children is generally nose bleed, there is an important clinical heterogeneity.
<b>Cellular localization</b>	Membrane.

## Images



[ab53318](#) staining CD105 in infarcted porcine heart by Immunohistochemistry (Frozen sections). Cell nuclei were counterstained blue with DAPI.



[ab53318](#) staining CD105 in infarcted porcine heart by Immunohistochemistry (Frozen sections). Cell nuclei were counterstained blue with DAPI.

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